

DESIGN & TECHNOLOGY POLICY

Governors and staff at Our Lady & St Edwards Catholic Primary & Nursery School value each child as a unique individual made in the image and likeness of God with a range of individual gifts and talents. Therefore, we aim to provide every child with access to a broad and balanced education. This includes the National Curriculum in line with the *Special Educational Needs Code of Practice*.

Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation. **National Curriculum 2014**

Aim

To develop in each child their designing and making skills, nurturing creativity and innovation, whilst exploring values about and attitudes to the made world and how we live and work within it.

Objectives

- develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.
- build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users and to understand their contribution to our society.
- Develop designing skills, including generating ideas, clarifying a task, creating design proposals, communicating ideas, planning and evaluating, critique and test their ideas and products and the work of others.
- understand and apply the principles of nutrition and learn how to cook.
- Apply cross-curricular skills, eg predicting and fair testing, measuring using an appropriate tool (age appropriate), making things happen by the use of control technology, handling information through the use of a

database or spreadsheet, investigating texture and colour or recording visual information.

National Curriculum 2014

Children should be given the opportunity to design, make and evaluate different items through a variety of creative and practical activities. Children should also be taught how to cook and about the principles of healthy nutrition

Time Allocation

Design and Technology is largely taught in a cross-curricular manner, projects being linked with other class topics. Projects are taught in blocks of time in order for children to engage in planning, designing and making within a defined time scale. In addition Design & Technology will be the lead subject for at least one whole school topic during the year.

Coverage & Progression

Coverage is ensured through medium and short term planning. Medium term planning contains broad learning objectives to be covered in each topic and the content to be included in the programme of study. Short term planning contains the methods and skills employed to achieve each objective. Progression is ensured through careful reference to National Curriculum programmes of study and key skills.

Teaching and Learning Styles

A range of teaching and learning strategies, appropriate to the learning objectives and age ability of the children, are employed.

Design and Technology is predominantly taught through a practical hands-on approach where testing and trial and error strategies are encouraged. We also include whole class teaching, group work, pairs work, individual work, discussion, demonstration, enquiry, observation, research and questioning.

Differentiation is used to cater for the range of abilities within the class. This may take the form of differentiation in activity, resources, outcome, intervention, support, questioning or provision of tasks set.

Our Lady & St Edwards School is an inclusive environment for all. Provision for pupils with special educational needs will be in line with the school SEND policy.

Assessment and Reporting

Assessment takes place in the following forms:

- **Teacher Assessment** - This is ongoing during and on the completion of a topic and is based on questioning, observation of work, approach adopted and outcome of tasks set. This is used to inform future planning. This information is used to inform the annual report to parents.
- **Self-Assessment** - This is a tool whereby the child can assess their success in carrying out a task and set themselves targets for improvement/development.

Monitoring

Design and Technology is monitored in the following ways:

- The co-ordinator monitors planning, checking for coverage, progression and differentiation.
- The co-ordinator samples work and gives feedback to colleagues.
- Through learning walks which monitor the presentation of learning in classes and corridors.
- The D & T coordinator is given non-contact time termly to support them in carrying out their responsibilities.

Evaluation

This policy will be reviewed in line with the school policy review cycle.

This policy was reviewed in November 2016

This policy was reviewed by the school governors 30th November 2016
To be reviewed as part of the schools review cycle.